

Attachment 5: Budget

Proposal and Project Budgets

The following Attachment provides the budget for the Mokelumne / Amador / Calaveras (MAC) Prop 84 Integrated Regional Water Management (IRWM) 2015 Implementation Grant Application, including the Proposal Budget and the individual project budgets. The budgets presented are consistent with the Work Summary (Attachment 3) and Schedule (Attachment 5).

Table 5-1: Proposal Budget

Summary Budget (Table 8 from PSP)						
Proposal Title: Mokelumne/Amador/Calaveras Prop 84 IRWM 2015 Implementation Grant Application						
Project Name		(a)	(b)	(c)	(d)	(e)
		Requested Grant Funding	Non-State Share (Funding Match)	Other State Funds Being Used	Total	% Funding Match
(a)	Lake Camanche Service Lateral Replacement – Phase 3 (Project 2)	\$669,158	\$0	\$0	\$669,158	0%
(b)	Sheep Ranch Drinking Water Compliance	\$624,660	\$0	\$0	\$624,660	0%
(c)	MAC Region Water Conservation Program	\$1,019,446	\$50,947	\$0	\$1,070,393	5%
(d)	Proposal Total (Sum rows (a) and (b))	\$2,313,264	\$50,947	\$0	\$2,364,211	2%
(e)	DAC Funding Match Waiver Total (Sum column (d) only for projects seeking DAC funding match waiver)	-	-	-	\$2,160,426	0%
(f)	Grand Total (subtract row (d) from row (c) for column (d) and recalculate column (e))	-	-	-	\$203,785	25%

Lake Camanche Service Lateral Replacement – Phase 3 Project Budget

Category (a): Direct Project Administration

Task 1: Project Management: The budget associated with this task is based the hourly wage of Amador Water Agency's (AWA) staff, and estimated hours to complete project management tasks. This includes an AWA Project Manager (\$110/hour at 20 hours) and an Assistant Engineer (\$75/hour at 64 hours). This task also contains budget for grant management by the Upper Mokelumne River Watershed Authority (UMRWA) (\$125/hour for 20 hours). The consultant cost to prepare the Prop 84, 2015 Grant Application is estimated at \$16,636 per project. The total budget for Task 1 is \$26,136.

Task 2: Labor Compliance Program: The labor compliance program implementation will be completed by a consultant that specializes in labor compliance programs at an estimated cost of \$10,000. This cost is based on previous experience in using a consultant to manage AWA's Labor Compliance Program.

Task 3: Reporting: The budget associated with this task is based the hourly wage of AWA staff, and estimated hours to complete reporting deliverables. This includes an AWA Project Manager (\$110/hour at 48 hours) and an Assistant Engineer (\$75/hour at 20 hours). This task also contains budget for reporting by UMRWA staff (\$125/hour for 20 hours). The total budget for Task 3 is \$9,280.

Category (b): Land Purchase/Easement

Task 4: Land Acquisition: Land purchase/easement is not required for this project, so no budget is allocated to this category.

Category (c): Planning/Design/Engineering/Environmental Documentation

Task 5: Feasibility Studies: A Feasibility Study will not be required for the project, so no budget is allocated to this category.

Task 6: CEQA Documentation: The budget for CEQA Documentation includes AWA staff time to prepare and publish a notice of exemption, as well as the cost to file the notice. This includes an AWA Project Manager (\$110/hour at 8 hours) and an Executive Secretary (\$40/hour at 4 hours). The cost to file the notice is estimated at \$500, based on previous experience in filing notices of exemption. The total budget for Task 6 is \$1,540.

Task 7: Permitting: The budget for permitting is based on AWA staff time to file encroachment permits, as well as the cost of the permits. This includes an AWA Project Manager (\$110/hour at 16 hours) and an Assistant Engineer (\$75/hour at 40 hours). The cost for the encroachment permits is estimated at \$13,850, based on the cost of filing these permits for previous phases of this project. The total Task 7 budget is \$18,610.

Task 8: Design: The budget for design is based on AWA staff time to complete 10% and 100% design. The completion of 10% design will require an AWA Project Manager (\$110/hour at 8 hours), an Assistant Engineer (\$75/hour at 16 hours), and a Distribution Supervisor (\$55/hour at 4 hours). The completion of 100% design will require an AWA Project Manager (\$110/hour at 16 hours), an Assistant Engineer (\$75/hour at 32 hours), and a Distribution Supervisor (\$55/hour at 8 hours). The total budget for Task 8 is \$6,900.

Task 9: Project Performance Monitoring Plan: The budget for preparing the Project Performance Monitoring Plan is based on time for a consultant to prepare the Plan, and includes a Consultant Project Manager (\$236/hour at 2 hours) and a Consultant Engineer (\$184/hour at 8 hours). These costs are based on costs to prepare a similar document for previous phases of the project. The total budget for Task 9 is \$1,944.

Category (d): Construction/Implementation

Task 10: Contract Services: The budget for contract services is based on time for the AWA Project Manager to conduct contracting tasks (\$110/hour at 40 hours). The total budget for Task 10 is \$4,400.

Task 11: Construction Administration: The budget for construction administration is based on time for the AWA Project Manager to conduct construction administration tasks for the duration of construction (\$110/hour at 160 hours). The total budget for Task 10 is \$17,600.

Task 12: Construction/Implementation: Construction/Implementation consists of three subtasks, the budgets of which are described below.

Subtask 12.1: Mobilization and Site Preparation: The cost of mobilization and site preparation is based on construction labor and the cost of materials and equipment. Labor costs include an Operator (\$54/hour for 8 hours) and a Truck Driver (\$47/hour for 8 hours). Material and equipment costs include a 4'x8' Sign (\$200/sign), backhoe (\$41/hour for 2 hours), low bed (\$62/hour for 8 hours), crew truck (\$20/hour for 8 hours), 10 wheel dump truck (\$41/hour for 2 hours), sawcutter (\$11/hour for 2 hours), 29 hp air compressor (\$20/hour for 2 hours), and suction vacuum (\$9/hour for 2 hours). The cost of materials are based on the cost of materials and equipment for previous phases of the project. The total budget for Subtask 12.1 is \$1,908.

Subtask 12.2: Construction: The cost of construction is based on construction labor as well as materials and equipment cost, and is divided into costs to pothole/excavate/lay backfill and repave impacted roadways. Labor costs to pothole/excavate/lay backfill include an Operator (\$54/hour for 800 hours), Laborer (\$40/hour for 1,600 hours), Traffic Controller (\$39/hour for 800 hours), and Distribution Operator (\$47/hour for 120 hours). Labor required to repave impacted roadways includes a Laborer (\$40/hour for 320 hours) and a Traffic controller (\$39/hour for 160 hours). The costs for materials and equipment are for Subtask 12.2 are shown in Table 4-2, and are based on the cost of materials and equipment for previous phases of the project. The total budget for Subtask 12.2 is \$557,080.

Table 4-2: Subtask 12.2 Materials and Equipment Costs

Materials or Equipment Used	Unit Cost	Number of Units	Total
Pothole/Excavate/Lay/Backfill			
1 - inch Type K Cooper (ft.)	\$6	6000	\$36,000
Angled Curb Stop (ea)	\$98	200	\$19,600
Service Saddle (ea)	\$51	200	\$10,200
1 - inch Curb Stop	\$60	200	\$12,000
3-Sack Concrete Slurry Trenches	\$200	200	\$40,000
Asphalt (SY)	\$1.25	50000	\$62,500
Backhoe (hr)	\$41	800	\$32,800
Crew Truck (hr)	\$20	1600	\$32,000
10 Wheel Dump Truck (hr)	\$41	800	\$32,800
Sawcutter (hr)	\$11	800	\$8,800
Suction Vacuum (hr)	\$9	800	\$7,200
49 Hp Air Compressor (hr)	\$19	800	\$15,200
Trench Plates (month)	\$1,600	12	\$19,200
Repave Impacted Roadways			
Asphalt (SY)	\$1.25	50000	\$62,500
Paver (hr)	\$40	80	\$3,200

Subtask 12.3: Performance Testing and Demobilization: The cost of performance testing is based on labor as well as materials and equipment cost. Labor costs include a Distribution Operator (\$47/hour for 160 hours). Equipment costs include a crew truck (\$20/hour for 160 hours), and a 49 hp air compressor (\$19/hour for 160 hours). The total budget for Subtask 12.3 is \$13,760.

Table 4-3: Lake Camanche Service Lateral Replacement Project – Phase 3 Project Budget

Proposal Budget (Table 7 from PSP) Project Title: Lake Camanche Service Lateral Replacement Project – Phase 3 Project serves a need of a DAC: Yes Funding Match Waiver Request: Yes				
Budget Category	(a) Requested Grant Amount	(b) Non- State Fund Source*	(c) Other State Fund Source*	(d) Total Cost
(a) Direct Project Administration Costs	\$45,416	\$0	\$0	\$45,416
Task 1: Project Management	\$26,136	\$0	\$0	\$26,136
Task 2: Labor Compliance Program	\$10,000	\$0	\$0	\$10,000
Task 3: Reporting	\$9,280	\$0	\$0	\$9,280
(b) Land Purchase/Easement	\$0.00	\$0	\$0	\$0.00
Task 4: Land Acquisition	\$0.00	\$0	\$0	\$0.00
(c) Planning/Design/Engineering/ Environmental Documentation	\$28,994	\$0	\$0	\$28,994
Task 5: Feasibility Studies	\$0	\$0	\$0	\$0
Task 6: CEQA Documentation	\$1,540	\$0	\$0	\$1,540
Task 7: Permitting	\$18,610	\$0	\$0	\$18,610
Task 8: Design	\$6,900	\$0	\$0	\$6,900
Task 9: Project Performance Monitoring Plan	\$1,944	\$0	\$0	\$1,944
(d) Construction/Implementation	\$594,748	\$0	\$0	\$594,748
Task 10: Contract Services	\$4,400	\$0	\$0	\$4,400
Task 11: Construction Administration	\$17,600	\$0	\$0	\$17,600
Task 12: Construction	\$572,748	\$0	\$0	\$572,748
<i>Task 12.1: Mobilization and Site Preparation</i>	<i>\$1,908</i>	<i>\$0</i>	<i>\$0</i>	<i>\$1,908</i>
<i>Task 12.2: Construction</i>	<i>\$557,080</i>	<i>\$0</i>	<i>\$0</i>	<i>\$557,080</i>
<i>Task 12.3: Performance Testing and Demobilization</i>	<i>\$13,760</i>	<i>\$0</i>	<i>\$0</i>	<i>\$13,760</i>
Construction/Implementation Contingency	\$0	\$0	\$0	\$0
(e) Grand Total (Sum rows (a) through (d) for each column)	\$669,158	\$0	\$0	\$669,158
*List sources of funding: No other sources of funding. This is a DAC project and is seeking a funding match waiver request.				

Sheep Ranch Drinking Water Compliance Project Budget

Category (a): Direct Project Administration

Task 1: Project Management: The costs associated with this task are based the hourly wage of CCWD's Water Resource Manager, and estimated hours to complete project management tasks (\$60/hour for 42 hours). This task also contains budget for grant management by UMRWA staff (\$125/hour for 20 hours). The consultant cost to prepare the Prop 84, 2015 Grant Application is estimated at \$16,636 per project. The total budget for Task 1 is \$21,656.

Task 2: Labor Compliance Program: The labor compliance program development and implementation will be completed by a consultant that specializes in labor compliance programs at a rate of \$100/hour for 90 hours. The total budget for Task 2 is \$9,000.

Task 3: Reporting: The costs associated with this task are based the hourly wage of CCWD's Water Resource Manager, and estimated hours to complete reporting deliverables (\$60/hour for 42 hours). This task also contains budget for reporting by UMRWA staff (\$125/hour for 20 hours). The total budget for Task 3 is \$5,020.

Category (b): Land Purchase/Easement

Task 4: Land Acquisition: Land purchase/easement is not required for this project, so no budget has been allocated to this category.

Category (c): Planning/Design/Engineering/Environmental Documentation

Task 5: Feasibility Studies: A feasibility study will not be required for the Project, so no budget has been allocated to this category.

Task 6: CEQA Documentation: The budget for preparing CEQA documentation includes the cost of preparing and filing a Notice of Exemption, and takes into account the staff time (\$70/hour for 50 hours) and consultant time for a biologist/wetlands specialist (\$110/hour for 50 hours) and an archeologist/cultural resources specialist (\$110/hour for 50 hours). The cost to publish the notice is estimated to be \$500. The total budget for Task 6 is \$15,000.

Task 7: Permitting: The budget for permitting includes the cost to obtain an amended Domestic Water Supply Permit from the State Water Resources Control Board (SWRCB) Division of Drinking Water (DDW), and takes into account CCWD staff time for a regulatory officer (\$67/hour for 30 hours). The total budget for Task 7 is \$2,010.

Task 8: Design: The budget for design is based on the cost to prepare equipment pre-purchase and procurement documents as well as draft construction drawings and specifications, and includes CCWD staff time and consultant fees. CCWD staff will include a senior engineer (\$67/hour for 100 hours), an engineering technician (\$57/hour for 100 hours), and an administrative technician (\$50/hour for 50 hours). Consultants will be used for land surveys (\$110/hour for 40 hours) and electrical engineering design (\$180/hour for 115 hours). The total budget for Task 8 is \$40,000.

Task 9: Project Performance Monitoring Plan: The budget for this category is based on the time estimated to develop a Project Performance Monitoring Plan based on on-going reporting and annual inspection reports, and includes staff time for a CCWD Senior Engineer (\$67/hour for 30 hours). The total budget for Task 9 is \$2,010.

Category (d): Construction/Implementation

Task 10: Contract Services: Contract services consist of two subtasks: Subtask 10.1 – Equipment Pre-Purchase and Subtask 10.2 – Contracting for Electrical/Sitework/Installation of Equipment. The budgets for these subtasks are described below.

Subtask 10.1: Equipment Pre-Purchase: The budget for contract services includes CCWD staff time to contract for equipment pre-purchase. This includes an engineering/construction manager (\$80/hour for 6 hours) and an administrative technician (\$50/hour for 10 hours). The packaged plant equipment will also be pre-purchased under this task. The cost for the Skid Mounted Packaged Water Plant is estimated at \$298,000 based on a quote provided by the manufacturer, Pall Water Processing, on June 15, 2015. The cost of 7.5% sales tax and shipping/delivery, is estimated to be \$22,000. The total budget for Subtask 10.1 is \$320,980.

Subtask 10.2: Contracting for Electrical/Sitework/Installation of Equipment: The budget for contract services accounts for CCWD staff time to contract for electrical/sitework/installation of equipment. CCWD staff time includes an engineering/construction manager (\$80/hour for 6 hours) and an administrative technician (\$50/hour for 10 hours). The total budget for Subtask 10.2 is \$980.

Task 11: Construction Administration: The budget for construction administration is based on CCWD staff time to perform construction administration activities, and includes an engineering/construction manager (\$80/hour for 40 hours), field inspector (\$57/hour for 172 hours), and an administrative technician (\$50/hour for 40 hours). A consultant will also be needed to perform soils/materials testing, estimated at \$100/hour for 50 hours. The total budget for Task 11 is \$20,004.

Task 12: Construction/Implementation: Construction/Implementation consists of four subtasks. Task-level budgets are summarized below.

Subtask 12.1: Site Improvements: The cost of implementing site improvements is based on construction labor as well as previous knowledge of materials and equipment cost. Labor costs are estimated at \$100/hour, based on prevailing wages and benefits plus contractor's markup. These include 125 hours to erect a metal building, 150 hours to install yard piping, and 50 hours to construct a reinforced concrete foundation. The materials and equipment cost for a 12-foot by 20-foot metal building are estimated at \$28,000, yard piping is estimated at \$15,000, and the reinforced concrete foundation is estimated at \$10,000. The total budget for Subtask 12.1 is \$85,500.

Subtask 12.2: Site Electrical and Electrical Service Upgrades: The cost of site electrical work and electrical service upgrades is based on construction labor as well as previous knowledge of materials and equipment cost. Labor costs are estimated at \$100/hour which is based on 250 hours of contractor time at prevailing wages and benefits plus markup. The cost of equipment and materials includes general electrical/controls/lighting/HVAC at \$20,000, service entrance/upgrade materials at \$10,000, and electrical equipment/controls at \$20,000. These costs are based on previous experience with similar projects. The total budget for Subtask 12.2 is \$75,000.

Subtask 12.3: Equipment Installation: The cost of installing the Skid-Mounted Packaged Water Plant includes only construction labor, given that the cost of the Skid-Mounted Packaged Water Plant is included under Task 10. Labor costs include 125 hours of labor at \$100/hour, based on prevailing wages and benefits plus markup. The total budget for Subtask 12.3 is \$12,500.

Subtask 12.4: Demolition and Site Cleanup: The cost of demolition and site cleanup is based on labor costs as well as materials/equipment for paving replacement. Labor costs include 80 hours of contractor time (to demolish and remove the old water treatment plant, as well as perform site cleanup and paving replacement) at \$100/hour, based on prevailing wages and benefits plus markup. Equipment/materials for paving are estimated at \$7,000. These costs are based on previous experience with similar projects. The total budget for Subtask 12.4 is \$15,000.

Table 5-4: Sheep Ranch Drinking Water Compliance Project Budget

Proposal Budget (Table 7 from PSP) Project Title: Sheep Ranch Drinking Water Compliance Project Project serves a need of a DAC: Yes Funding Match Waiver Request: Yes				
Budget Category	(a) Requested Grant Amount	(b) Non- State Fund Source*	(c) Other State Fund Source*	(d) Total Cost
(a) Direct Project Administration Costs	\$35,676	\$0	\$0	\$35,676
Task 1: Project Management	\$21,656	\$0	\$0	\$21,656
Task 2: Labor Compliance Program	\$9,000	\$0	\$0	\$9,000
Task 3: Reporting	\$5,020	\$0	\$0	\$5,020
(b) Land Purchase/Easement	\$0	\$0	\$0	\$0
Task 4: Land Acquisition	\$0	\$0	\$0	\$0
(c) Planning/Design/Engineering/ Environmental Documentation	\$59,020	\$0	\$0	\$59,020
Task 5: Feasibility Studies	\$0	\$0	\$0	\$0
Task 6: CEQA Documentation	\$15,000	\$0	\$0	\$15,000
Task 7: Permitting	\$2,010	\$0	\$0	\$2,010
Task 8: Design	\$40,000	\$0	\$0	\$40,000
Task 9: Project Performance Monitoring Plan	\$2,010	\$0	\$0	\$2,010
(d) Construction/Implementation	\$529,964	\$0	\$0	\$529,964
Task 10: Contract Services	\$321,960	\$0	\$0	\$321,960
Subtask 10.1: Equipment Pre-Purchase	\$320,980	\$0	\$0	\$320,980
Subtask 10.2: Contracting for Electrical/Sitework/Installation of Equipment	\$980	\$0	\$0	\$980
Task 11: Construction Administration	\$20,004	\$0	\$0	\$20,004
Task 12: Construction/Implementation	\$188,000	\$0	\$0	\$188,000
Subtask 12.1: Site Improvements	\$85,500	\$0	\$0	\$85,500
Subtask 12.2: Site Electrical and Electrical Service Upgrades	\$75,000	\$0	\$0	\$75,000
Subtask 12.3: Equipment Installation	\$12,500	\$0	\$0	\$12,500
Subtask 12.4: Demolition and Site Cleanup	\$15,000	\$0	\$0	\$15,000
Construction/Implementation Contingency	\$0	\$0	\$0	\$0
(e) Grand Total (Sum rows (a) through (d) for each column)	\$624,660	\$0	\$0	\$624,660
*List sources of funding: No other sources of funding. This is a DAC project.				

MAC Region Water Conservation Program Project Budget

Category (a): Direct Project Administration

Task 1: Project Management: The costs associated with this task are based on previous experience with implementing water conservation projects and administrating grants. Overall project management will be completed by a MAC Region Conservation Program Coordinator (\$58/hour for 100 hours). Budget for coordination was estimated for Amador Water Agency (AWA), Calaveras County Water District (CCWD), Amador Tuolumne Community Action Agency (ATCAA) and Foothill Conservancy (average project manager rate of \$60/hour for 40 hours per agency). This task also contains budget for grant management by UMRWA staff (\$125/hour for 40 hours), and preparation of the Prop 84, 2015 Solicitation grant application by a consultant (\$16,636 per project, based on the consultant proposal total cost of \$49,907.00). Overall, the budget for Task 1 is \$37,036.

Task 2: Labor Compliance Program: A labor compliance program is not required for this project.

Task 3: Reporting: The Reporting task budget of \$23,000 was developed based on time for the MAC Region Conservation Coordinator (\$58/hr for 100 hours), UMRWA Grant Administrator (\$125/hr for 40 hours), project proponent and project partners (\$60/hr for 240 hours) to complete the Bi-Monthly Progress Reports and Project Completion Report. Overall, the budget for Task 3 is \$25,200.

Category (b): Land Purchase/Easement

Task 4: Land Acquisition: Land purchase/easement is not required for this project, so no budget has been allocated to this category.

Category (c): Planning/Design/Engineering/Environmental Documentation

Task 5: Feasibility Studies: The MAC Region Water Conservation Program does not include feasibility studies.

Task 6: CEQA Documentation: CEQA documentation is not required for this project.

Task 7: Permitting: Permitting is not anticipated to be needed; however, should construction permitting be necessary for the Home-Level Water Conservation for Severely Disadvantaged Communities component, budget will come from contingency.

Task 8: Design: Design is not required for the project, so no budget has been allocated to this category.

Task 9: Project Performance Monitoring Plan: The monitoring plan will require approximately 60 hours for the MAC Region Conservation Program Coordinator (\$58/hour) and 12 hours per agency (48 hours total for AWA, CCWD, ATCAA and Foothill Conservancy) for staff administration at an average hourly wage of \$60/hour. The total budget for preparing the Project Performance Monitoring Plan is \$6,360.

Category (d): Construction/Implementation

Task 10: MAC Region Conservation Program Coordinator Outreach and Coordination: The MAC Region Conservation Program Coordinator will be a temporary position hired to facilitate the initiation and completion of the MAC Region Conservation Program tasks. The Coordinator will provide support to coordinate conservation activities and outreach. The total Conservation Coordinator budget is allocated \$120,000/year for 3.5 years, but includes Coordinator time for Tasks 1, 3, and 9. After subtracting these tasks, Task 10 is allocated \$404,920. Materials costs are estimated at \$22,500 for packets, handouts, banners, table tents, and radio/television PSAs, based on previous project partner experience with similar projects. The total Task 10 budget is \$427,420.

Task 11: Amador Area Water Conservation Program Implementation: The estimate for this task is based on a combination of AWA staff labor hours and conservation device and rebate costs, as outlined below. The total Task 11 budget is \$198,020.

- An AWA part-time Conservation Coordinator will be responsible for implementing Task 11. A budget of \$49,920 for this subtask has been calculated based on a rate of \$48/hour for 1,040 hours.
- \$20,000 has been dedicated to giveaways, including High - Efficiency Showerheads (1,165 at \$5.95 each), "Instant Off" Sink Shut-offs (1,165 at \$6.63 each), Toilet Conservation Kits (1,165 at \$3.60 each), and faucet aerators (1,162 at \$0.99 each). The actual number of fixtures given away will depend on the number requested by customers.
- In addition, AWA will provide 100 high-efficiency washing machine rebates at \$100 each, 20 commercial/ industrial/ institutional plumbing retrofits at \$155 each, and 100 high efficiency toilet rebates at \$75 each.
- AWA's Turf Replacement Program/Smart Irrigation Implementation Program budget was calculated based on the cost and number of rebates to be provided. The turf replacement program will provide rebates of \$2.00 per square foot for up to 50,000 square feet of turf in AWA's service area.

- Smart irrigation controller rebates of \$75 will be provided for 100 controllers.

Task 12: Calaveras Area Water Conservation Program Implementation: The estimates for the following subtasks are based on a combination of CCWD staff labor hours and conservation device and rebate costs. Device, landscape audit and rebate costs are estimated budgeted \$34,981, plus labor costs of \$38,412, for a total of \$73,393, as detailed below.

- CCWD estimates that staff will require approximately 576 hours (12 hours per month over four years) to administrate the project at an hourly average rate of \$32/hour, to total a labor budget of \$18,432.
- CCWD will provide free plumbing fixtures to households. Giveaways will include 2,500 low-flow showerheads at \$3.91 each, 2,175 five-minute shower timers at \$1.79 each, 2,500 faucet aerators at \$0.58 each, 12,500 toilet leak detection tablets at \$0.11 each, 1,250 soil moisture meters at \$2.84 each, and 625 automatic shutoff hose timers at \$7.90 each.
- Free indoor/outdoor conservation audits to homeowners. A water conservation specialist will provide this service at a rate of \$60 per hour (anticipating 2 hours per home audit) for 333 hours.
- A number of rebates will be implemented for low-water using plumbing fixtures and appliances: 50 smart irrigation controllers rebates at \$50 each, 80 high-efficiency toilet rebates at \$25 each, 30 high-efficiency clothes washer rebates at \$100 each, and 50 irrigation efficiency upgrades at \$50 each.

Task 13: Home-Level Water Conservation for Severely Disadvantaged Communities: The budget for Task 13 is based ATCAA staff time for home-level water assessments and inspections, as well as device installation and the cost of water saving devices on severely disadvantaged homes. ATCAA expects to assess 240 homes to determine the unique needs of each. Staff time will also be needed to administrate the program. The total cost for this task is \$192,490, as detailed below.

- An ATCAA administrator will require approximately 300 hours for overall project management, as well as 240 hours for review of applications and outreach. Assessments are estimated to take and inspections of homes is estimated to take 432 hours (average of 1.5 hours per home), while outdoor and indoor installation of water saving devices is estimated to take approximately 1,102 hours (or an average of 4.6 hours per home), which is expected to vary greatly based on the devices to be installed (to be determined during home assessments and inspections). This totals 2,074 hours at a rate of \$54/hour for a budget of \$111,996.
- The following materials costs were assumed: 384 low flow showerheads \$13.99 each, 720 low flow aerators \$0.80 each, 84 low flow toilets \$150 each, 82 high-efficiency washing machines \$399 each, 82 dishwasher \$299, winterization of spigots and water pipes at 36 homes for \$10 each, spread mulch at one home for \$100 per household, install drip irrigation at one home for \$150 per household, repair sprinkler valves and heads at 41 households for \$100 each. The device costs are based on average costs for devices at major hardware stores. In total, materials are budgeted \$80,494 (rounded).
- ATCAA will also perform leak repair, but due to the difficult nature of budgeting for this item, it has been included under "Construction Contingency".

Task 14: DAC Residential Rain Catchment Demonstration and Distribution Project: The budget for Task 14 is based on Foothill Conservancy staff time for administrating the Foothill Conservancy Rain Barrel Demonstration and Distribution Project, as well as material costs for the demonstration project, purchase of rain barrels, and the cost of hiring a consultant. The total Task 14 budget is \$62,472, as outlined below.

- Implementation of the demonstration component of the project will require approximately 102 hours at an average staff rate of \$24 per hour, while implementation of the rain barrel give away and training workshop will require approximately 295 hours at an average staff rate of \$24 per hour, including time to administrate the giveaway program, implement a media campaign, obtain and distribute rain catchment takes, and conduct a training workshop. The cost and time to install the rain barrel demonstration project are estimated to be \$90 per hour for 8 hours, for a total of \$720. In total, labor is budgeted \$9,528.
- The cost of equipment and materials to construct the demonstration project plus the cost of 64 530-gallon rain barrels is estimated at \$816 per rain barrel (based on \$760 per rain barrel plus \$56 per diverter kit, TanksForLess.com, Accessed July 2015), totaling \$52,224.

Construction Contingency: A construction contingency of 25% (based on prior experience) has been applied to Task 13: Home-Level Water Conservation for Severely Disadvantaged Communities. This equates to \$48,002. This contingency will be used to cover the costs of construction permitting (if needed) and leak repair (for which costs cannot be accurately estimated until home inspections have been completed).

Table 5-5: MAC Region Water Conservation Program Project Budget

Proposal Budget (Table 7 from PSP) Project Title: MAC Region Water Conservation Program Project serves a need of a DAC: Yes Funding Match Waiver Request: Yes					
Budget Category		(a) Requested Grant Amount	(b) Non-State Fund Source*	(c) Other State Fund Source*	(d) Total Cost
(a)	Direct Project Administration Costs	\$62,236	\$0	\$0	\$62,236
	Task 1: Project Management	\$37,036	\$0	\$0	\$37,036
	Task 2: Labor Compliance Program	\$0	\$0	\$0	\$0
	Task 3: Reporting	\$25,200	\$0	\$0	\$25,200
(b)	Land Purchase/Easement	\$0	\$0	\$0	\$0
	Task 4: Land Acquisition	\$0	\$0	\$0	\$0
(c)	Planning/Design/Engineering/ Environmental Documentation	\$6,360	\$0	\$0	\$6,360
	Task 5: Feasibility Studies	\$0	\$0	\$0	\$0
	Task 6: CEQA Documentation	\$0	\$0	\$0	\$0
	Task 7: Permitting	\$0	\$0	\$0	\$0
	Task 8: Design	\$0	\$0	\$0	\$0
	Task 9: Project Performance Monitoring Plan	\$6,360	\$0	\$0	\$6,360
(d)	Construction/Implementation	\$950,850	\$50,947	\$0	\$1,001,797
	Task 10: MAC Region Conservation Program Coordinator Outreach and Coordination	\$427,420	\$0	\$0	\$427,420
	Task 11: Amador Area Water Conservation Program Implementation	\$173,270	\$24,750	\$0	\$198,020
	Task 12: Calaveras Area Water Conservation Program Implementation	\$47,196	\$26,197	\$0	\$73,393
	Task 13: Home-Level Water Conservation for Severely Disadvantaged Communities	\$192,490	\$0	\$0	\$192,490
	Task 14: DAC Residential Rain Catchment Demonstration and Distribution Project	\$62,472	\$0	\$0	\$62,472
	Construction/Implementation Contingency	\$48,002	\$0	\$0	\$48,002
(e)	Grand Total (Sum rows (a) through (d) for each column)	\$1,019,446	\$50,947	\$0	\$1,070,393
*List sources of funding: Non-state fund source will be provided through in-kind Amador Water Agency and Calaveras County Water District in-kind time.					